

Amendments to the Claims:

1. (Cancelled)
2. (Currently Amended) The method of claim 54 [[1]], wherein the data model is decoupled from a particular mobile software application and a particular backend application.
3. (Currently Amended) The method of claim 54 [[1]], wherein the software platform is distributed to the first enterprise using a first distribution mechanism and the software platform is distributed to the second enterprise using a second distribution mechanism.
4. (Currently Amended) The method of claim 54 [[1]], wherein the first enterprise is in a different primary industry category than the second enterprise.
5. (Currently Amended) The method of claim 54 [[1]], further comprising receiving monetary value from the first and the second enterprises in connection with the distribution of the software platform.
6. (Currently Amended) The method of claim 54 [[1]], wherein the software platform includes a development environment that allows creation of a software application that references the data model data file.
7. (Currently Amended) The method of claim 54 [[1]], wherein the software platform is integrated with a backend software application of the first enterprise.
8. (Currently Amended) The method of claim 54 [[1]], wherein the software platform is integrated with a backend software application of the second enterprise.
9. (Currently Amended) The method of claim 54 [[1]], further comprising using a mobile computing system to create a second software application, the second software application to

control transfer of data with at least one of the plurality of backend applications of the enterprise computing system, wherein the second software application references the data model.

10. (Original) The method of claim 9, further comprising deploying the second software application onto a mobile application server, the mobile application server responsive to the enterprise computing system and responsive to the plurality of mobile computing devices.

11. (Original) The method of claim 10, wherein data is transferred asynchronously between the first software application and the second software application.

12. (Original) The method of claim 9, wherein the mobile computing system uses a mobile domain.

13. (Previously Presented) The method of claim 6, wherein the software application is a task specific software application targeted for use by a selected class of employees of an enterprise associated with the enterprise computing system.

14. (Original) The method of claim 13, wherein an employee using one of the mobile computing devices provides information so that the employee is authenticated as belonging to the selected class so that such employee is given access to the first software application.

15. (Cancelled)

16. (Currently Amended) The method of claim 55 [[15]], further comprising providing integration services in connection with integrating the first computing system into the first enterprise network.

17. (Previously Presented) The method of claim 16, further comprising receiving monetary value in connection with providing the integration services.

18. (Currently Amended) The method of claim 55 [[15]], further comprising receiving monetary value in connection with integrating the first computing system.

19. (Currently Amended) The method of claim 55 [[15]], further comprising developing a mobile software application for deployment on a mobile computing device, the mobile software application operable to reference one or more data elements, data relationships, data dependencies and data distribution attributes of the first data model when interfacing with a backend application.

20. (Currently Amended) The method of claim 55 [[15]], wherein the first computing system further comprises a data management module in communication with the integration unit and with the connection unit.

21. (Currently Amended) The method of claim 55 [[15]], wherein transaction data is transferred asynchronously between the plurality of mobile computing devices and the connection unit.

22. (Currently Amended) The method of claim 55 [[15]], wherein integration transaction data is transmitted between a data management module and the integration unit.

23. (Original) The method of claim 22, wherein integration transaction data is transmitted between the integration unit and the back-end application.

24. (Original) The method of claim 22, wherein the back-end application is selected from the group consisting of an accounting program, a database program, an enterprise resource management program, and a customer relationship management program.

25. (Cancelled)

26. (Currently Amended) The method of claim 56 [[25]], wherein the software platform includes a deployment feature to provide for transferring a mobile software application referencing the mobile data model data file to at least one of the plurality of mobile computing devices.

27. (Cancelled)

28. (Currently Amended) The method of claim 57 [[27]], wherein the data model describes a naming and directory interface that associates enterprise names and objects in a binding that allows access to an SQL database system.

29. (Cancelled)

30. (Currently Amended) The method of claim 58 [[29]], further comprising licensing the software platform from the provider.

31. (Currently Amended) The method of claim 58 [[29]], further comprising distributing the software platform to another party.

32. (Currently Amended) The method of claim 58 [[29]], further comprising using the software platform.

33. (Currently Amended) The method of claim 58 [[29]], further comprising making copies of the software platform.

34. (Currently Amended) The method of claim 58 [[29]], further comprising securing the right to distribute the software platform.

35. (Currently Amended) The method of claim 58 [[29]], further comprising bundling the software platform with other software to create a bundled package.

36. (Cancelled)

37. (Currently Amended) The method of claim 59 ~~[[36]]~~, further comprising receiving monetary value in connection with hosting the software platform.

38. (Currently Amended) The method of claim 59 ~~[[36]]~~, further comprising deploying at least a portion of the data model data file to a plurality of mobile computing devices.

39. (Currently Amended) A method comprising:

distributing a software platform to a first enterprise, the software platform for use in connection with an enterprise computing system having a plurality of backend software applications;

distributing the software platform to a second enterprise, the software platform including a data modeling program allowing creation of a data model data file, the data model data file providing physical and logical views of data, describing transactions between a mobile software application and at least one backend software application, defining connections between data classes that express relationships and dependency relationships and including embedded distribution attributes;

instantiating a data store separate from the data model data file and based upon the physical view of data, transactions, data classes, connections, and distribution attributes included in the data model data file; and

interfacing the mobile software application with the backend software application using at least a portion of the data model data file, the mobile software application and the backend software having access to the data model data file via an interface library.

40. (Currently Amended) A system integration method comprising:

integrating a first computing system into a first enterprise network, the first computing system including an integration unit operable to access a backend application of the first enterprise network, the integration unit further operable to access a first stand-alone data model data file associated with enterprise data to be shared between at least one of a plurality of backend applications and at least one of a plurality of mobile computing devices, the stand-alone data model

data file defining, independent of a particular hardware or software platform, parameters attributes required for interfacing a mobile software application with at least one of the plurality of backend applications and wherein the stand-alone data model data file contains elements that are mobile computing device user dependent; and

a connection unit responsive to a plurality of mobile computing devices, at least one of the plurality of mobile computing devices having access to the first stand alone data model data file.

41. (Currently Amended) The system integration method of claim 40, further comprising the integration unit adapted to read from and write to a backend application by accessing the stand-alone data model data file.

42. (Currently Amended) The method of claim 40, further comprising routing information flow between the integration unit, a mobile computing device and a backend application in accordance with information maintained in the stand-alone data model data file.

43. (Currently Amended) The method of claim 40, further comprising the parameters attributes required for interfacing a mobile software application with at least one of the plurality of backend applications including one or more data elements, data relationships, data dependencies, and data distribution attributes.

44. (Currently Amended) The method of claim 40, further comprising a deployment feature allowing deployment of at least a portion of the stand-alone data model data file to a plurality of mobile data computing devices.

45. (Currently Amended) A method comprising:
distributing a software platform to a first enterprise, the software platform for use in connection with an enterprise computing system having a plurality of backend software applications;
and

distributing the software platform to a second enterprise, the software platform including a data modeling program allowing creation of a mobile data model data file including a mobile data

model describing transactions, defining connections between data classes, expressing relationships and dependency relationships for interfacing a mobile software application with a least one backend application and including embedded distribution attributes forming a basis for the dissemination of one or more data instances to one or more interested consumers, the software platform further including a deployment feature allowing deployment of at least a portion of the mobile data model data file to a plurality of mobile computing devices.

46. (Previously Presented) The method of Claim 45, wherein the one or more interested consumers includes a software instance deployed to one or more entities of a domain.

47. (Previously Presented) The method of Claim 46, wherein the software instance includes an integration component operable to access, create, and update data instances in the domain directly while interfacing with one or more enterprise systems.

48. (Previously Presented) The method of Claim 45, wherein the mobile data model is decoupled from a particular mobile software application and a particular backend application for which it provides an interface such that the mobile data model may be altered without affecting changes in either the decoupled mobile software application or the decoupled backend application.

49. (Previously Presented) The method of Claim 45, wherein at least one of mobile software application interacts with the mobile data model when referencing enterprise data.

50. (Previously Presented) The method of Claim 45, wherein the mobile data model may be accessed to allow at least one mobile software application and the backend application access to an enterprise data store.

51. (Previously Presented) The method of Claim 45, wherein the mobile data model defines a physical view of data, an object oriented view of data and a logical view of data.

52. (Previously Presented) The method of Claim 45, further comprising building one or more software applications referencing the mobile data model using the distributed software platform.

53. (Currently Amended) A method comprising:

distributing a software platform to a first enterprise, the software platform for use in connection with an enterprise computing system having a plurality of backend software applications; [[and]]

distributing the software platform to a second enterprise, the software platform including a data modeling program allowing creation of a platform independent data model data file defining data elements, data relationships, data dependencies and data distribution attributes required for and actively employed in interfacing a mobile software application with at least one of the plurality of backend applications and a deployment feature allowing deployment of at least a portion of the data model data file to a plurality of mobile computing devices;

creating at least one enterprise application operable to access the data model data file using one or more interface libraries, operation of the enterprise application instructed by the data elements, data relationships, data dependencies and data distribution attributes included in the data model data file; and

creating at least one mobile software application for operation on the plurality of mobile computing devices, the mobile software application operable to access the data model data file using one or more interface libraries and to complete transactions with the enterprise application based on the data elements, data relationships, data dependencies and data distribution attributes included in the data model data file.

54. (New) A method comprising:

distributing a software platform to a first enterprise, the software platform for use in connection with an enterprise computing system having a plurality of backend software applications;

distributing the software platform to a second enterprise,

the software platform including a data modeling program allowing creation of a dedicated data model data file associated with at least one of the plurality of backend applications, the data

model data file including information forming a basis for managing of data instances in a mobile domain and developing of enterprise and mobile software applications that access the data instances; and

wherein the software platform further includes a deployment feature allowing deployment of at least a portion of the data model data file to a plurality of mobile computing devices, the data model data file being accessible to one or more mobile software applications through an interface library.

55. (New) A system integration method comprising:

integrating a first computing system into a first enterprise network, the first computing system comprising:

an integration unit operable to access a backend application of the first enterprise network, the integration engine further operable to access a first data model data file referenced by at least one enterprise object associated with the backend software application, the data model data file describing a physical layout of a data store to be instantiated in accordance with the contents of the data model data file;

a connection unit responsive to a plurality of mobile computing devices, at least one of the plurality of mobile computing devices having access to the first data model data file; and

integrating a second computing system to a second enterprise.

56. (New) A method of distributing a software platform, the method comprising:

distributing the software platform to an enterprise having an enterprise software system, wherein the software platform comprises:

a software tool for creating a mobile data model data file, the mobile data model data file describing data elements to be maintained in a data store instantiated from the mobile data model data file, relationships to be created between the data elements of the data store and attributes relating to distribution of data elements from one more enterprise software systems or mobile computing devices;

an integration module responsive to the enterprise software system, the integration module having access to the mobile data model data file; and

a connection module responsive to a plurality of mobile computing devices.

57. (New) A method comprising:

distributing to a first enterprise a software platform, the software platform comprising:

data modeling code for creating a data model data file describing a hardware and software platform independent data model defining a plurality of data classes and connections between data classes to be implemented in a data store instantiated based upon the data model, contents of the data model data file accessible to one or more mobile or enterprise software applications through an interface library; and

mobility deployment code for deploying at least a portion of the data model to a mobile computing device; and

distributing to a second enterprise a second version of the software platform.

58. (New) A method comprising:

identifying a provider of a software platform;

receiving the software platform, the software platform comprising

data modeling code for creating a data model data file defining a platform independent data model of both enterprise backend application and objects;

mobility deployment code for deploying at least a portion of the data model data file and the mobile software application to a mobile computing device; and

creating an enterprise application based on data definitions and descriptions in the data model data file, the enterprise application accessing the data model data file during operation via an interface library; and

creating a mobile software application for performing transactions with at least one enterprise backend application and object based on the definitions and descriptions in data model data file, the mobile software application operable to reference a data model in the data model data file when recording transactions to be synchronized with the enterprise application.

59. (New) A method comprising:

receiving a software platform, the software platform comprising:

data modeling code for creating a data model data file modeling one or more enterprise backend application objects;

creating a data model data file based at least in part on guidelines relating to extending usage of one or more enterprise applications and enterprise data into a mobile domain, the data model data file including a series of element tags describing individual data classes and connections therebetween;

instantiating at least one data store with reference to the data model data file and in accordance with the element tags maintained therein;

mobility deployment code for deploying at least a portion of the data model data file to a mobile computing device, the mobile computing device having a mobile software application operable to reference the data model data file in documenting transactions to be synchronized with one or more enterprise backend applications; and

hosting the software platform on a server.

60. (New) A method comprising:

receiving a software platform, the software platform including data modeling code allowing creation of

a dedicated data file defining a data model describing requirements for extending the use of one or more backend application systems to one or more mobile devices in a mobile domain, the data model definition including a plurality of data classes and connections between the data classes, data distribution attributes defining how instances of a particular data class are distributed to one or more deployed mobile computing systems and a state field to indicate whether the data model may be freely modified, modified with permission or is in use and wherein at least a portion of the dedicated data file is deployed to one or more enterprise and mobile computing systems;

an enterprise application created in accordance with the requirements of the data model, the enterprise application separate from the dedicated data file and operable to reference at least a portion of the data model in performing certain of its operations, the dedicated data file and data model accessible by the enterprise application through one or more interface libraries;

a mobile software application created in accordance with the requirements of the data model, the mobile software application separate from the dedicated data file and the enterprise application, the mobile software application operable to reference at least a portion of the dedicated data file in performance of its mobile computing system transactions;

an enterprise data store instantiated in accordance with the data model of the dedicated data file, the enterprise data store resident on the enterprise system separate from the dedicated data file;

a mobile data store instantiated in accordance with the data model of the dedicated data file, the mobile data store resident on the mobile computing device and separate from a portion of the dedicated data file resident on the mobile computing system; and

the mobile software application operable to reference at least one data model in a transaction log recording transactions performed at the mobile computing device during at least those periods when the mobile computing device is not communicatively coupled to the enterprise application system, the enterprise application operable to receive the transaction log, load a data model associated with a current data store, identify the data model referenced in the transaction log, compare the data model of the transaction log to that of the current data store, if matching, process the transactions recorded in the transaction log, if not matching, load a data model corresponding to that recorded in the transaction log and process the transactions recorded in the transaction log in accordance with the loaded data model; and hosting the software platform.